

CXIV. *A Letter to the Reverend William Brakenridge, D. D. Rector of St. Mich. Bassishaw, and F. R. S. with a Table of the Value of Annuities on Lives, by Mr. James Dodson, Master of the Royal Mathematical School in Chrif's-Hospital, and F. R. S.*

Reverend Sir,

Read Dec. 16.
1756.

AS I have made a great many calculations, relative to Annuities on Lives, and have otherwise contributed, as much as was in my Power, to facilitate the performance of such, I thought it, almost, a duty incumbent on me, to compute the values of them according to your curious Table of the Decrements of Life, inserted in the Philosophical Transactions; accordingly I have inclosed a table of them, and if you find it will bear examination I desire you to communicate it to the Royal Society, in order (if approved of) to its being inserted, as an appendix to your letter to the President. I am,

Reverend Sir,

Your most obedient and

most humble Servant,

Chrif's-Hospital,
Dec. 8, 1756.

James Dodson.

A Table

A Table of the Value of an Annuity of One Pound, payable yearly, during a Life of any Age, allowing compound Interest at 4l. per Cent. per Ann. computed from the Table of the Decrements of Life, constructed by the Reverend William Brakenridge, D. D. F. R. S. inserted Page 181.

1	12,510	23	15,865	45	11,800	67	6,338
2	15,001	24	15,688	46	11,580	68	6,007
3	16,001	25	15,504	47	11,360	69	5,670
4	16,781	26	15,313	48	11,190	70	5,399
5	17,470	27	15,112	49	10,960	71	5,139
6	17,712	28	14,951	50	10,780	72	4,895
7	17,800	29	14,784	51	10,540	73	4,677
8	17,821	30	14,612	52	10,350	74	4,395
9	17,800	31	14,433	53	10,170	75	4,130
10	17,781	32	14,280	54	9,938	76	3,895
11	17,671	33	14,090	55	9,694	77	3,708
12	17,560	34	13,890	56	9,444	78	3,603
13	17,453	35	13,740	57	9,186	79	3,468
14	17,291	36	13,580	58	8,918	80	3,261
15	17,171	37	13,420	59	8,643	81	3,146
16	17,000	38	13,210	60	8,361	82	2,923
17	16,855	39	12,960	61	8,071	83	2,508
18	16,716	40	12,780	62	7,839	84	2,084
19	16,525	41	12,590	63	7,541	85	1,651
20	16,379	42	12,400	64	7,234	86	1,210
21	16,221	43	12,190	65	6,920	87	0,762
22	16,061	44	11,980	66	6,598	88	0,320